

## Unit IV & V Calendar

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
November 12  Introduction to Gases & Gas Laws  HW: Problem Set #4	13  Gas Law Practice*	14  Molar Mass Determination Molar Volume Gas Stoichiometry*	15  “Molar Volume of a Gas”  HW: Lab Report*	16  Kinetic Molecular Theory (Gas Properties PhET) Effusion/Diffusion*
19  <i>Thanksgiving Break— No School</i>	20  <i>Thanksgiving Break— No School</i>	21  <i>Thanksgiving Break— No School</i>	22  <i>Thanksgiving Break— No School</i>	23  <i>Thanksgiving Break—No School</i>
26  Molecular Speed of Gases Real Gases vs. Ideal Gases	27  Kinetic Molecular Theory (liquids/solids) Intermolecular Theory*	28  Properties of Liquids/Solids Phase Diagrams	29  Review for Unit IV Test	30  Unit IV Test  Problem Set #4 Due*
December 3  Expressing Concentration  HW: Problem Set #5	4  Colligative Properties (vapor & osmotic pressure) Raoult’s Law	5  Colligative Properties (freezing-point depression, boiling-point elevation)	6  “Freezing Point Depression to Determine Molar Mass”	7  “Freezing Point Depression to Determine Molar Mass” HW: Lab Report*

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10  Energy Heat/work	11  Enthalpy Bond Energy	12  Calorimetry Specific Heat	13  “Calorimetry, Heats of Reaction, and Hess’ Law”	14  “Calorimetry, Heats of Reaction, and Hess’ Law”  HW: Lab Report*
17  Heating Curves	18  Standard Enthalpies of Formation Hess’ Law	19  Review for Unit V Test	20  Unit V Test  Problem Set #5 Due*	21